

19. A resistor of resistance  $2.2\text{ k}\Omega$  is rated at  $0.25\text{ W}$ .

The potential difference across the resistor when operating at its rated power is

A  $0.11\text{ V}$

B  $23\text{ V}$

C  $94\text{ V}$

D  $550\text{ V}$

E  $8800\text{ V}$ .